2017

STAT 211-01-03-06 Business Statistics

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STAT 211
Xavier University: Business Statistics
Fall 2017

Scheduled Meeting Time
Tuesday / Thursday 8:30-9:45, 10:00-11:15, 13:00-14:15

Instructor: Brett S. Stowell Email: stowellbs@xavier.edu Phone: 513-745-2922 Office / Mail Drop: Smith 221
Office Hours: In Person T/R 12:15-13:00, 14:15-15:30 and by appointment. Virtual T/R 21:00 – 22:00
Text: Business Statistics: Communicating with Numbers; Jaggia / Kelly
Prerequisites: MATH 156 or STAT 210

Williams College of Business Mission: “We educate students of business, enabling them to improve organizations and society, consistent with the Jesuit tradition.”

My Vision: The information gleaned from applying the statistical tools you will be learning in this course impacts each of us in our daily lives. As managers and executives, you will be requesting, generating, and acting upon reports that have used these tools to take some “glob” of data and transform it into information. Given the nature of this thing called statistics, it is possible either by intent, negligence, or legitimate error to come up with the “wrong” answer doing all of the right things. It is my hope that by the end of this course you will have a sufficient understanding of the subject matter to be able to ask more pertinent questions of the data you have available and to be able to rationally evaluate the validity of information derived from that data. The study of statistics is multidisciplinary in nature, and I guarantee you that some or all of this material will appear again in your studies and career.

Course Description: This course is designed to familiarize you with some of the basic statistical tools and techniques used to transform raw data into actionable information. As such, class time will be divided between reviewing homework assignments, introducing new material, discussing real-world applications, and employing newly introduced skills.

Course Materials: In addition to the text, you are responsible for materials posted on Canvas (http://canvas.xavier.edu) and McGraw-Hill Connect (a link for your class section is posted on Canvas). Homework assignments, supplemental reading, and other information will be posted regularly. Students without access to a PC running Excel (or a Mac running Excel 2016) should make use of the Virtual Lab for completing assignments, quizzes and the exam. (http://www.xavier.edu/ts/students/Virtual-Desktop.cfm)

Grades: Your final grade will consist of five quizzes (60%), a final exam (20%) and regular homework and cases (20%). Possible grades are A (95-100), A- (90-94.9), B+ (85-89.9), B(80-84.9), B- (75-79.9), C+ (70-74.9), C (65-69.9), C- (60-64.9), D (50-59.9) and F (Below 50).

Due Dates: Due dates and exam dates are firm. Students are expected to contact the instructor prior to an expected absence to make arrangements. Late assignments will receive no credit. LearnSmart, Homework and Quiz assessments will be automatically submitted on their due dates.

Communication: It is vitally important to seek out the instructor early if encountering difficulties in the course. Tutors and other resources are available to you to help you succeed. Email questions, stop by for office hours, ask questions in “Course Chat” during virtual office hours, or engage in a virtual meeting via Zoom.
# Tentative Course Calendar

<table>
<thead>
<tr>
<th>Class</th>
<th>Topics Covered</th>
<th>Assignments Due</th>
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**Homework / Cases / LearnSmart:** Homework and solutions to be completed for student learning are provided for each learning objective. Students are encouraged to assist one another in the completion of homework and cases provided each student submits his or her original work for credit. Two attempts are possible for each homework assignment.

**Quizzes:** All quizzes are to be completed at home. Class notes, Excel help files and the textbook are appropriate resources to use while completing the quizzes. Assistance from any third party, except for the instructor, is prohibited. A single, timed attempt is permitted for each quiz.

**Final Exam:** The final exam will be taken in class during the scheduled examination period at the end of the semester. Class notes, Excel help files and the textbook are appropriate resources to use while completing the exams. Assistance from any third party, except for the instructor, is prohibited.

**Attendance:** The instructor will take attendance periodically. Students with more than three (3) unexcused absences will lose 1/3 of a letter grade for each additional absence. Lack of regular attendance can result in the forfeiture of up to one full letter grade.

**Learning Objectives:** Students completing this course will be able to evaluate the veracity of reports, claims and decisions based on statistical evidence, develop frameworks for utilizing appropriate statistical tools to locate and clarify problems, evaluate alternatives and draw evidence-based conclusions, and communicate relevant findings to stakeholders.

**Academic Honesty:** Do your own work. Review Xavier’s Academic Honesty policy for more information.

**Xavier University Policies:** Xavier University policies regarding privacy rights, incomplete work and attendance, and academic honesty will be strictly enforced. Please see the current University catalog for more on these policies.

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1 MBA Learning Goals: Strategic Thinking and Leadership
2 MBA Learning Goals: Critical Thinking
3 MBA Learning Goals: Effective Written and Oral Communication